

# LAND RECLAMATION COMMISSION

## STATE OF MISSOURI

P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
573-751-4041

### Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

### WASHINGTON COUNTY AGGREGATES

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on ten acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Washington	01	37N	02E	10	0	10	Pit #1	0581

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 4th day of March 2004

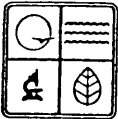
  
DIRECTOR OF STAFF  
Land Reclamation Commission

Permit No. 0598T2  
Effective Date 03/04/2004  
Expiration Date 02/03/2005

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FEB 6 2004

FEB 23 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES**

MISSOURI LAND RECLAMATION COMMISSION P.O. BOX 10000 ST. LOUIS, MO 63108

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>WASHINGTON Co. County Associates</b>		DATE <b>2-2-04</b>	
ADDRESS <b>P.O. Box 399</b>	CITY <b>Potosi</b>	STATE <b>mo</b>	ZIP CODE <b>63664</b>
CONTACT PERSON <b>Kelley Sikay</b>		TELEPHONE NUMBER <b>573-438-6101</b>	

FEES: COMPLETE SECTION I OR SECTION II

**SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:**

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE  $\longrightarrow$  \$ **300.00**

2. Acreage Fee \$5 X **10** number of acres bonded ..... \$ **50.00**

3. Annual Permit Fee ..... \$ 500

4. Total Fee (Add totals from 1, 2 and 3) ..... \$ **850.00**

NOTE: If Total Fee exceeds \$2,500.00 then pay only ..... \$ 2,500

**SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:**

1. Annual Permit Fee ..... \$ 300

SIGNATURE OF APPLICANT <i>[Signature]</i>	TITLE <b>Owner</b>	DATE <b>2-20-04</b>
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Appeared before me this **20** day of **February**, 20**04**,  
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE OF <b>Missouri</b>	COUNTY (OR CITY OF ST. LOUIS) <b>Washington</b>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <b>20th</b> DAY OF <b>February</b> YEAR <b>04</b>	
	NOTARY PUBLIC SIGNATURE <i>[Signature]</i> NOTARY PUBLIC NAME (TYPED OR PRINTED) <b>Glennest F. Fryman</b>	MY COMMISSION EXPIRES <b>2-17-06</b>

**GLENNES F FRYMAN**  
Notary Public - Notary Seal  
STATE OF MISSOURI  
WASHINGTON COUNTY  
MY COMMISSION EXP. FEB. 17, 2006

FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>	DATE APPROVED <b>3-2-04</b>	PERMIT NUMBER <b>0595T2</b>	EXPIRATION DATE <b>2-3-05</b>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**PERMIT TRANSFER**

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APR 02 2001

P.O. BOX 176  
JEFFERSON CITY, MO 65102

**PERMIT TRANSFER** (FOR TRANSFERRING PERMITTED ACRES FROM ONE OPERATOR TO ANOTHER, WITH NO CHANGES IN MINE PLAN OR ACREAGE)

NAME OF CURRENT PERMIT HOLDER <u>Washington County Quarry, Inc.</u>		PERMIT NUMBER <u>598</u>
SITE(S) <u>Hwy. 21N</u>		
ADDRESS <u>P.O. Box 548</u>		
CITY <u>Potosi</u>	STATE <u>mo</u>	ZIP CODE <u>63664</u>
CONTACT PERSON <u>Jeanne Gilliam</u>		PHONE NUMBER <u>573-438-7342</u>

**TO BE COMPLETED BY THE CURRENT PERMIT HOLDER**

List all reclamation bonds which are held on this permit

BONDING COMPANY	BOND NUMBER	BOND DATE	AMOUNT
<u>Bank of the Leadolett</u>	<u>Loc #56</u>	<u>5-23-97</u>	<u>\$9,000.00</u>

**TO BE COMPLETED BY PROPOSED SUCCESSOR**

NAME OF PROPOSED SUCCESSOR <u>Washington County Aggregates</u>		
ADDRESS <u>P.O. Box 399</u>		
CITY <u>Potosi</u>	STATE <u>mo</u>	ZIP CODE <u>63664</u>
CONTACT PERSON <u>Andy Pittman GM</u>		TELEPHONE NUMBER <u>573-438-7342</u>

List any other Land Reclamation Commission Permits currently or previously held by successor or companies owned or partially controlled by successor.

NAME OF COMPANY	PERMIT NUMBER	MINERAL

**NOTE:** The successor company must provide proof of bond replacement and an affidavit of publication for the required public notice.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>Pit #1</i>		PERMIT NUMBER <i>0598</i>	
COMPANY NAME <i>Washington County Aggregates</i>			
COUNTY <i>Washington</i>	1/4 SECTION	SECTION <i>1</i> <del><i>Surf-430</i></del>	
TOWNSHIP <i>37N</i>	RANGE <i>02E</i>	ACRES <i>30</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>N/A</i>			
MINERAL COMMODITY <i>Limestone</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>&gt;5000 ton</i>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Washington County Aggregates</i>		
ADDRESS <i>P.O. Box 399 Hwy 21N</i>		
CITY <i>Potosi</i>	STATE <i>mo</i>	ZIP CODE <i>63664</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT  
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Same</i>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT  
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF CONSERVATION  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 2017

COMPANY NAME Washington County Quarry Inc

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Pit #1

This plan covers all the 30 acre site which lies inside an area mined for Lead + Barite from 1960 to 1968. The soil and overburden had been removed during that mining operation. Our removal includes thin rocky soil covered by cedar, brush and trees that have grown in the past 25 years. Several areas have large limestone outcroppings on the surface.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

\_\_\_\_\_ INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

(After the brush is cleared with a dozer the soil will be removed and hauled to a holding site near the pit to be used later to form a dam site for water impoundment. Loaders and trucks will be used to haul the dirt.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Trucks will dump dirt on the storage sites. Graders will level and slope sides of stock piles. Grass will be seeded to sloped sides to prevent erosion.

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JUN 02 1997

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RECLAMATION COMMISSION

## B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

The good fill dirt will be loaded and hauled to a storage site at the North side of the site. The balance of the fill dirt will be loaded and hauled to a storage site at the west end of the site to form a dam for future water impoundment.

## C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None.

## D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The pit will first be extended East toward the boundary line and then North.

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YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

# RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

## A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
1	Pasture	Spring & Fall

### DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Excavated areas outside the pit will have soil sloped and seeded to control erosion. Seed mixture will be broadcast and harrowed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDING SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Kentucky 31 Mixture (Fescue)	10-15		
Red Clover	6-8		
Orchard Grass	6-8		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
	Pasture	Spring and Fall

### DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the following spring, thin or bare spots will be reseeded by broadcasting and harrowing to achieve grass cover sufficient to control erosion.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDING SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	8		
Kentucky 31 Mixture	4		

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RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All soil areas will be graded to slopes traversable by farm machinery and mowers. The lake will be designed and constructed to meet SCS standards. Grading will be completed within 12 months of expiration of this permit.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will be done as the pit advances and a 3:1 taper maintained before filling as a lake bed. Grading will be completed within 12 months of expiration of permit.

**REPLACEMENT OF TOPSOIL**

Top soil was not present because of earlier mining, but the best top fill dirt will be returned to edges around lake for seeding to control erosion. Grading will be completed within 12 months of expiration of the permit.

**REVEGETATION**

All soil areas will be seeded and harrowed the first season after lake is completed.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

3" to 6" of topsoil + 9" to 6" of soil material.

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

10 acres

20 acres

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JUN 12 1997MISSOURI LAND  
RECLAMATION COMMISSION6-5-97  
Teleph. Conf.  
w. S.G.Total  
30 acres






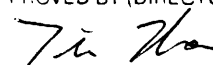
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MISSOURI LAND RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge and belief.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE 		DATE 3-23-01
NOTARY PUBLIC EMBOSSEMENT SEAL		STATE MISSOURI		COUNTY (OR CITY OF ST. LOUIS) ST. FRANCIS USE RUBBER STAMP IN CLEAR AREA BELOW
SUBSCRIBED AND SWORN BEFORE ME THIS 23RD DAY OF MARCH 2001		NOTARY PUBLIC SIGNATURE 		
NOTARY PUBLIC NAME (TYPED OR PRINTED) SHARON FOSHALL		MY COMMISSION EXPIRES 12-29-01		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 5-17-01		
		PERMIT NUMBER 0598		

Washington County  
Aggregates  
Washington County

FDIC  
S-1, T-37N, R-02E

# MERCANTILE BANK

- Quarry Site

Locator Map

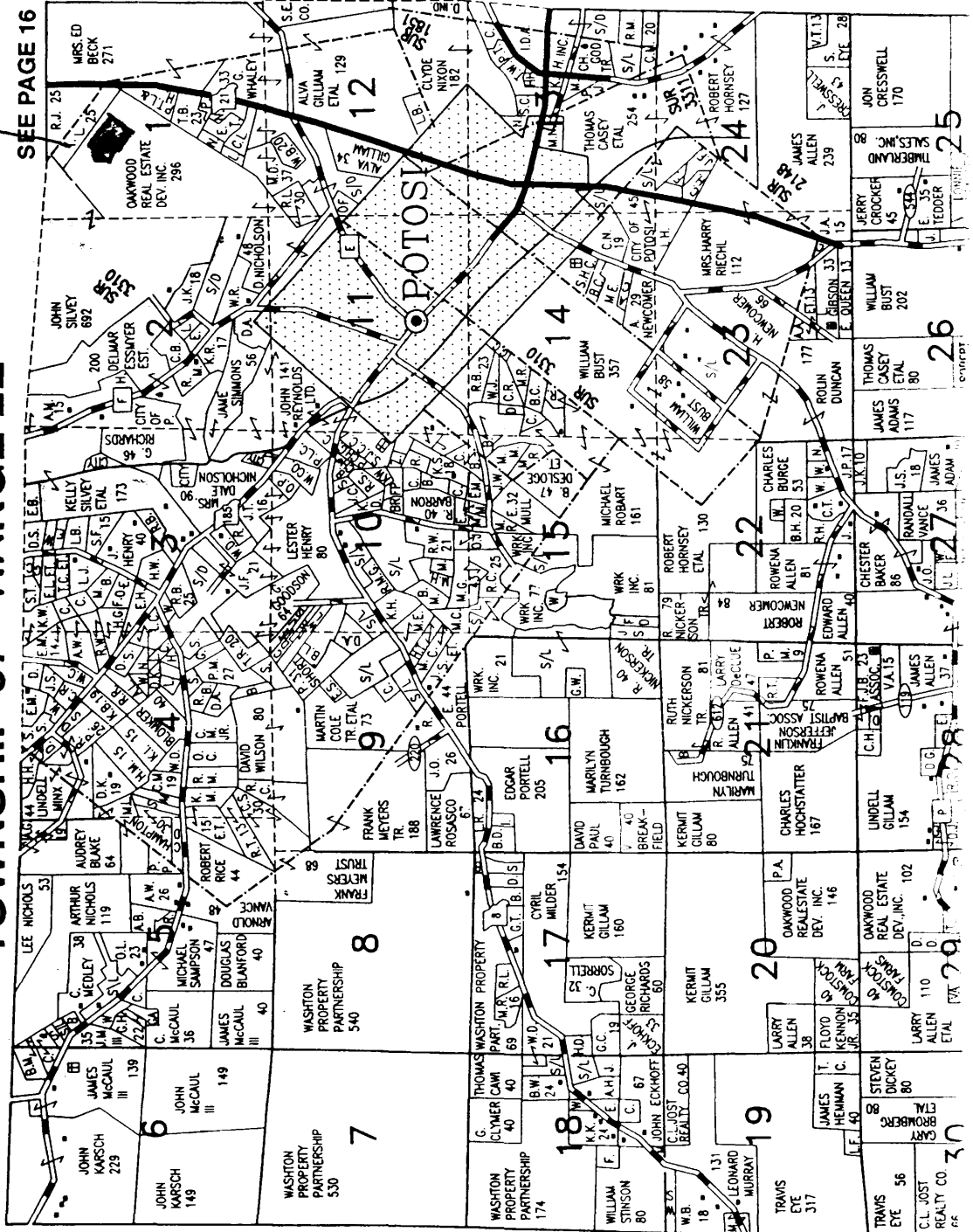


FARMINGTON  
756-BANK

LEADINGTON  
431-BANK

POTOSI  
438-BANK

## TOWNSHIP 37 • RANGE 2E



SEE PAGE 19

SEE PAGE 21

Thrs 2000

YR 2001

YR 2002



Active  
Pit

Long  
Term  
Boulder  
Boulder  
30  
acres

Scale  
1" = 200'

N  
↑

Pond Sediment Water

Active  
Pit

Long  
Term  
Boulder  
Boulder  
30  
acres

Scale

1" = 200'

↑ N



Active  
Ditch

606  
SOAC

Acres Road  
to Ditch

Large  
Furn  
Boulevard

✓  
Land

W